

Green transportation between floating islands solar powered boat



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When the land is no longer safe,
where will our lives go?

Climate change and floating islands



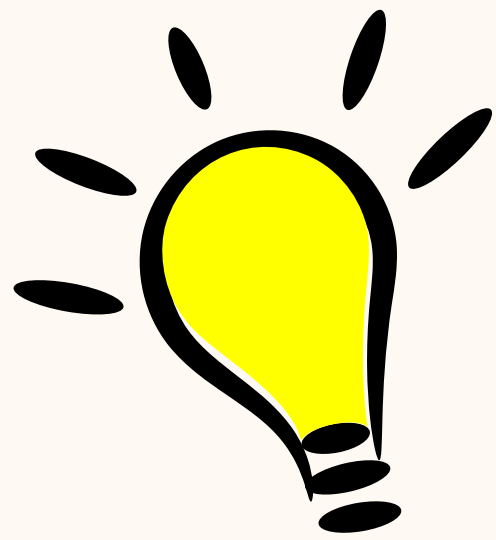
Introduction:

With global warming, the sea level is getting higher and higher, and coastal areas may be submerged in the future.

In order to solve this problem, we proposed the idea of "floating islands" - allowing people to live on the water without worrying about flooding.

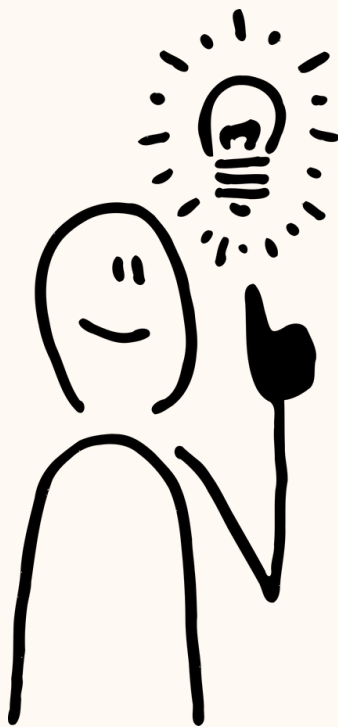
How can we move, go to school, and deliver supplies between these islands? Transportation is a key link.





Future Green Floating Island

Traditional fuel-powered ships emit waste gases and pollute the ocean, which harms the environment.



Ensure transportation does not harm marine ecosystems.



Use green transportation solutions to reduce emissions.



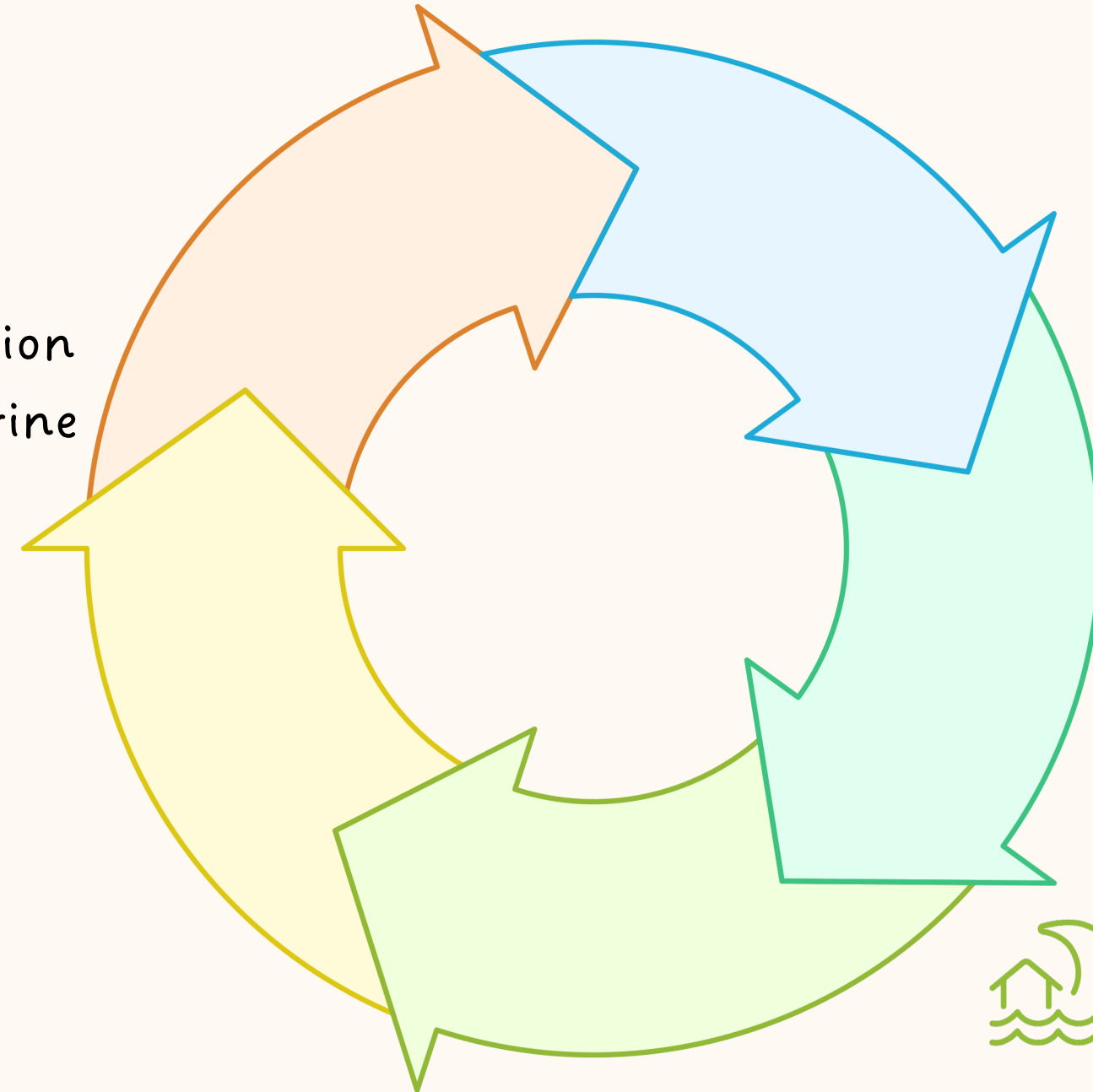
Construct floating platforms to adapt to rising sea levels.



People can build homes and communities on floating islands.



Floating islands move with rising sea levels to ensure safety.



Transportation solution between floating islands



Solar-Powered Pedal Boat

1. Solar power: It moves by sunlight. No smoke!
2. Pedal: You pedal like a bike to go
3. Motor help: If you are tired, the motor helps you go faster.

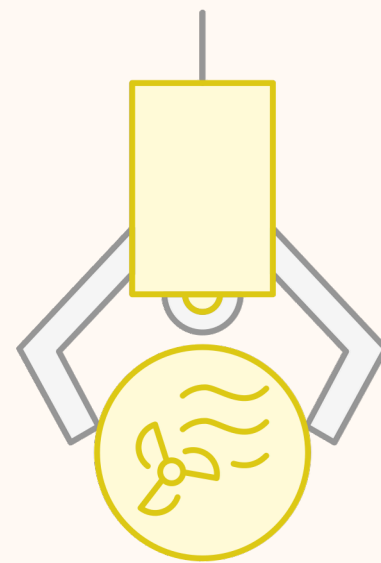
Cool things:

It is safe and does not tip over.

It has a roof that gives shade and gets power from the sun.

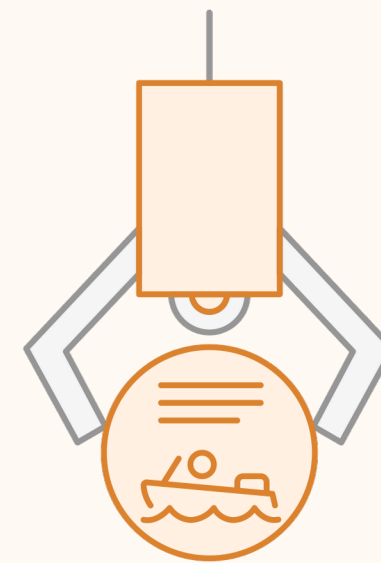
You can use it at night. The seat can move to fit you.

Features of Solar Powered Pedal Boat



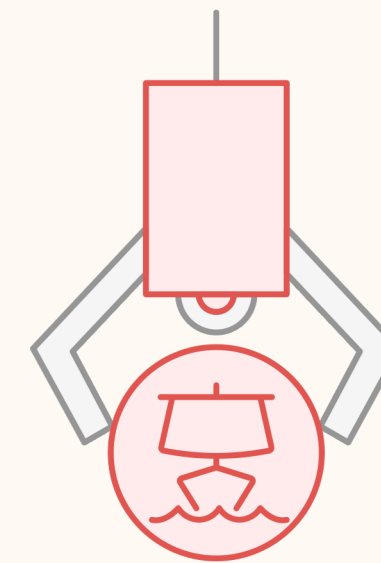
Propulsion method

The boat has three switchable methods: solar, human pedaling and electric assist.



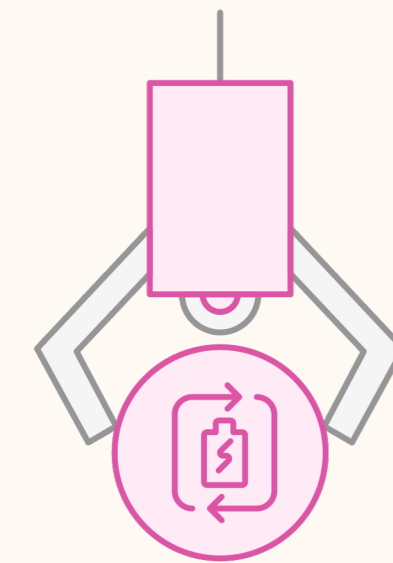
Lightweight design

The boat uses a lightweight double pontoon design that is stable and not prone to capsizing.



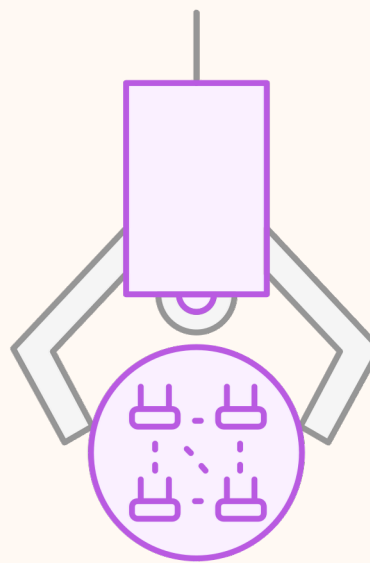
Solar Awning

The boat has a solar shade and charges the batteries. A sunshade can provide shade.



Battery energy storage

The ship has a battery storage system on its bottom that can also be used at night.



Adjustable seat

The seats on this boat can be adjusted modularly to suit single, double or even a family of four.

Summary of transportation solutions between floating islands



1 Using solar energy to provide clean energy

solar energy

2 Human assistance increases exercise and protects the environment

manpower

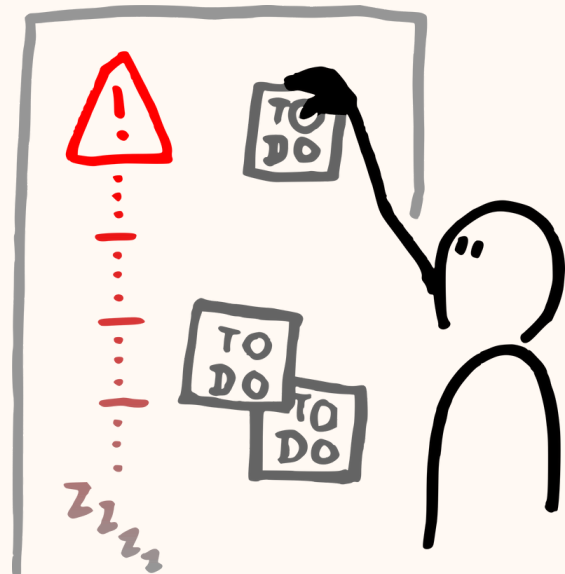
3 Electric assistance improves traffic efficiency

electricity

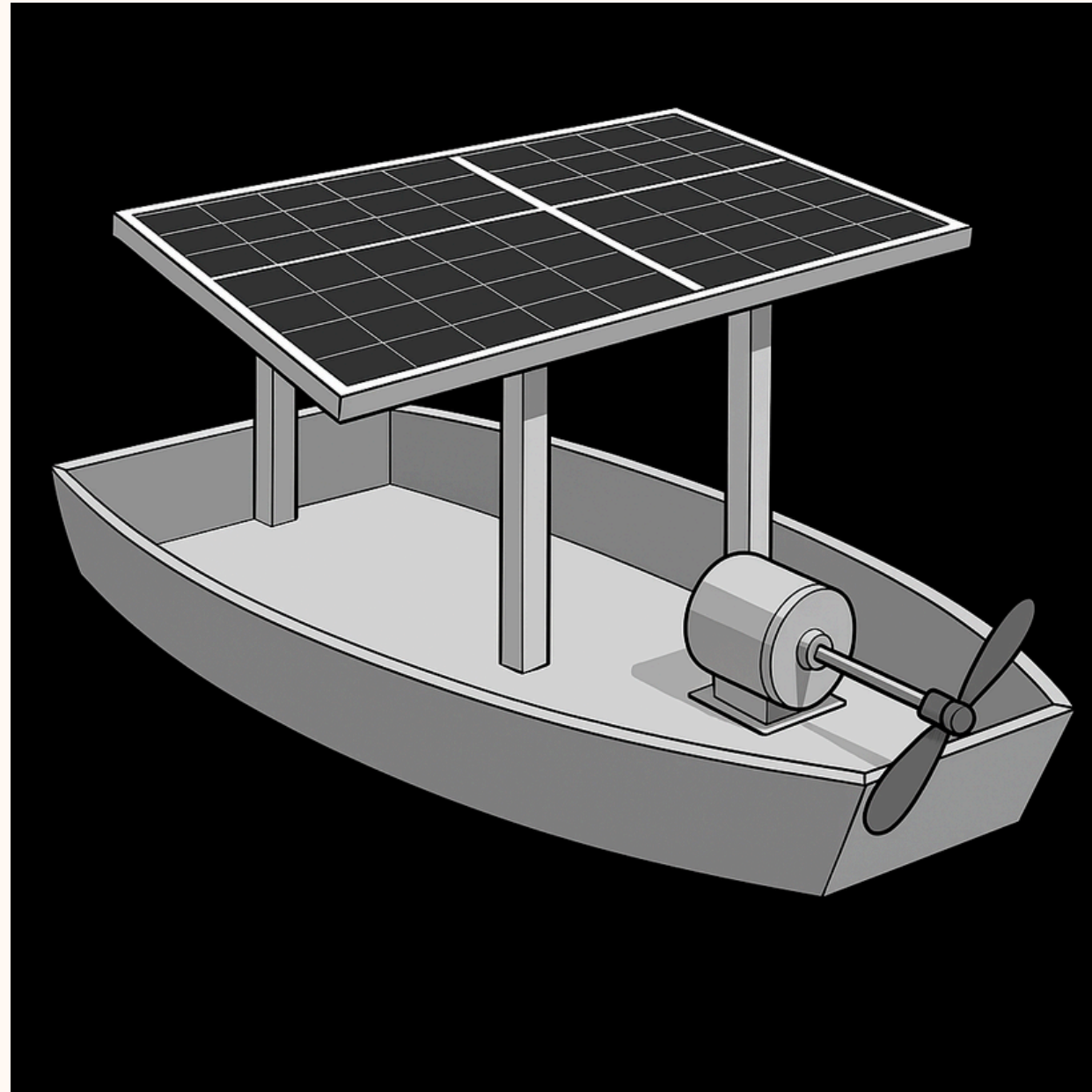
sustainable transportation



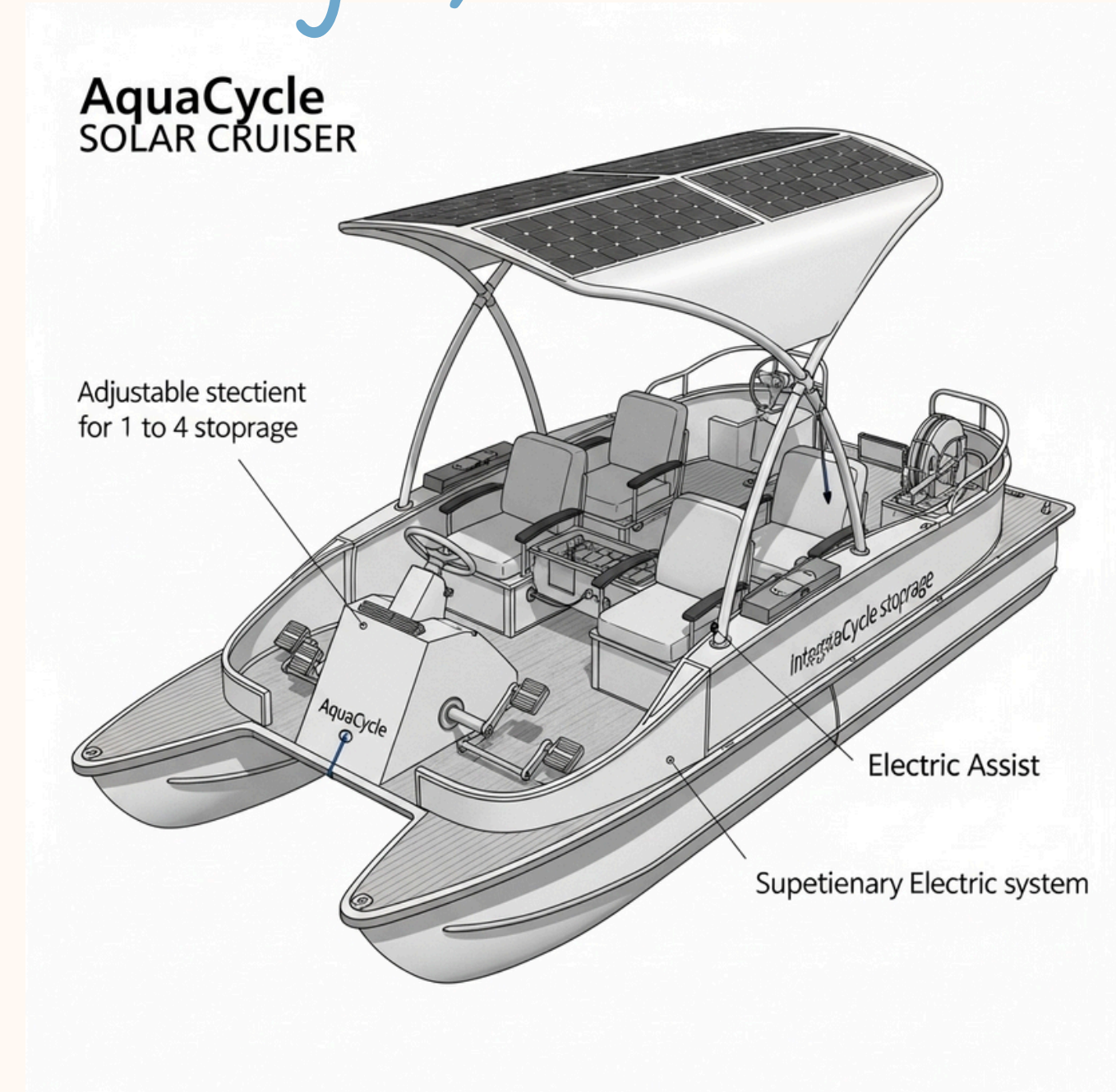
Through this solution, we not only improve traffic efficiency, but also reduce carbon emissions, which is in line with the principle of green sustainability.



Solar powered pedal boat idea (3D modeling and design)



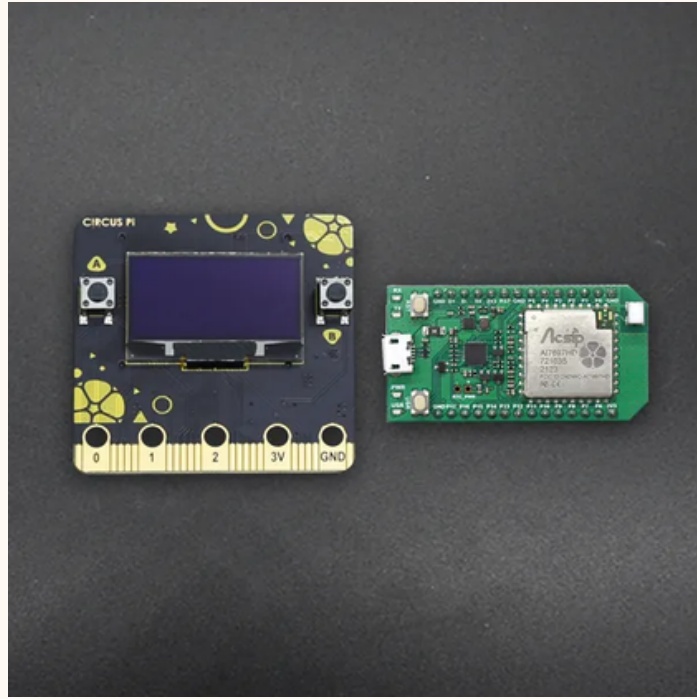
Solar Pedal Boat AI Simulation -
Preliminary Sketch



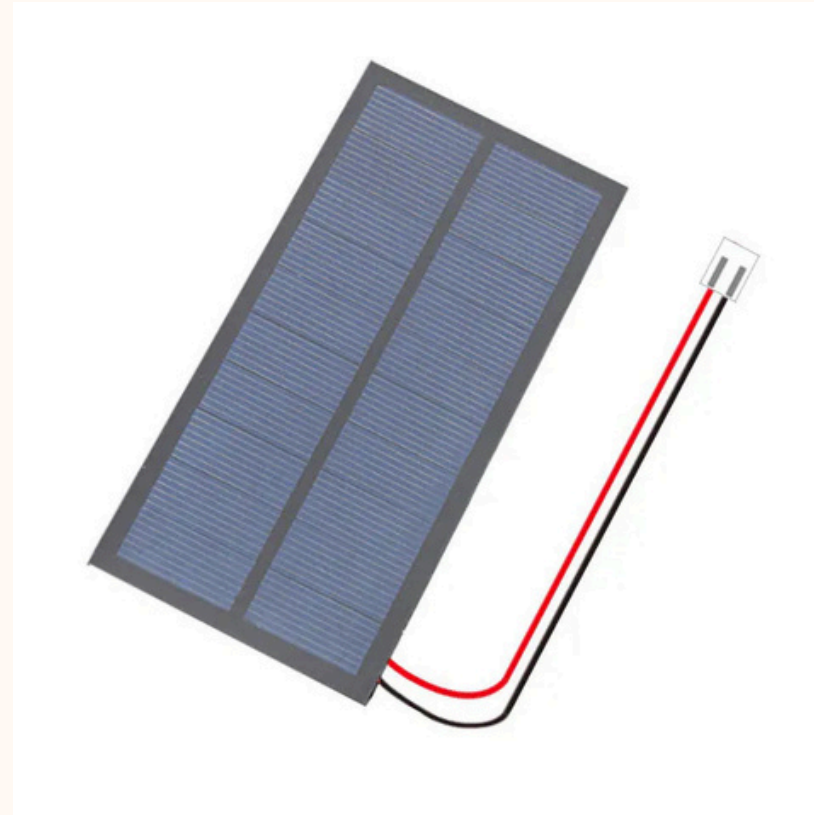
Solar powered pedal boat AI
simulation - advanced version

Materials needed to make the model (chips and sensors)

Smart chip Linkit7697



solar panel



bluetooth controlling
device



SG90 servo motor



DC motor



To address rising sea levels from climate change, we proposed "floating islands" as future living spaces. For eco-friendly transport between islands, we designed a solar-powered, pedal-assisted boat—zero-emission, low-pollution, and aligned with green sustainability goals



Thank you for listening ~

Let us fight for our future and protect the earth!!!



If you have any questions or
better ideas, please feel free to
comment.

